



ABEC Portable CIP Skids contain all the equipment and instrumentation necessary to affect CIP on a wide variety of process equipment. They include a CIP fluid tank, a circulation pump, a return pump, automatic and manual valves for flow control, and pH and conductivity sensors. The basic design features a pulsed flow of cleaning fluids during the CIP cycle. This is a major factor in reducing the size of the skid. It also offers other important advantages such as smaller holding tanks, less use of expensive cleaning agents and smaller waste streams. Shutoff valves are included on the WFI, steam, CIP return, and process air lines. Optional automated chemical addition is also available.

This product brief reflects the basic design for the portable CIP cart, but ABEC can offer customized options to fit various applications.

ABEC Portable Clean-in-Place Skids are available in the following general configurations:

BASE CONFIGURATION

- For cleaning a wide range of process equipment
- Skid control by on-board PLC/HMI
- Multi-supply manifold provided to clean multiple paths simultaneously
- Sanitary centrifugal CIP supply pump
- Air operated diaphragm pump

OPTIONAL CONFIGURATIONS

- Automated chemical dosing tanks and pumps

CONFIGURABLE CIP SEQUENCE

The ABEC portable CIP cart offers an ABEC developed automation solution that has a configurable CIP sequence. The end user is able to set up a custom CIP sequence to meet their cleaning needs by using predefined configured procedures including but not limited to:

- Batch Tank
- One Pass Rinse
- Circulate Wash
- Air Blow
- Drain System

A procedure may be performed more than once or skipped to complete any one CIP cycle. A CIP cycle's recipe will determine the specific ordering and setup of the procedures for that CIP cycle. Multiple recipes can be stored to facilitate cleaning of multiple systems.

TECHNICAL FEATURES

UTILITY CONNECTIONS

- 1/2" Process air and plant steam
- 1" WFI/DI water
- 1½" CIP supply line and drain

MATERIALS OF CONSTRUCTION

- Frame: 304 SS
- Tubing and vessel: 316SS
- Flexible hose: Reinforced teflon or EPDM lined hose with tri-clamp end connections

SPECIFICATIONS

- Nominal Flow Rate: 20-25 gpm @ 25 psig, variable based on set point
- Power: 208 or 460 VAC, 3Ø*
*Power can be changed to meet local needs
- Communication: Ethernet
- Control: PLC on cart
- Operator interface: HMI on cart

DIMENSIONS

28" x 83 3/16" x 77 3/8" (WxLxH) with addition shelf

CUSTOMIZATION

ABEC portable CIP skids can be used as is or can be customized to meet your specific needs.

For more information on this product email info@abec.com.